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12-16-04



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Shilin Chen  
Serial No.: 10/766,243  
Date Filed: January 26, 2004  
Group Art Unit: 2128  
Examiner: Hugh M. Jones  
Title: *Force-Balanced Roller-Cone Bits, Systems, Drilling Methods, and Design Methods*

**Mail Stop AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

|   |                                     |
|---|-------------------------------------|
| EXPRESS MAIL CERTIFICATE<br>NO.: EV 473954432 US  |                                     |
| I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. |                                     |
| Name:   | <u>Willie Jiles</u><br>Willie Jiles |
| Date:   | <u>December 15, 2004</u>            |

EV473954432US

INFORMATION DISCLOSURE STATEMENT

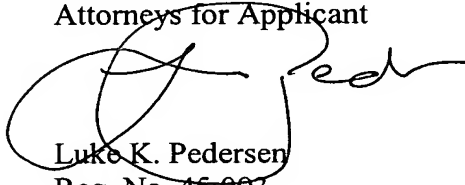
Applicant respectfully requests, pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, that the references listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified patent application. Copies of these references are enclosed for the convenience of the Examiner. Furthermore, pursuant to 37 C.F.R. § 1.97(h), no representation is made that these references qualify as prior art or that these references are material to the patentability of the present application.

The subject matter of a related patent was involved in Civil Action No. 4-02CV269 in the United States District Court for the Eastern District of Texas, Sherman Division, styled *Halliburton Energy Services, Inc. v. Smith International, Inc.* (the "Litigation"). The attached PTO-1449 form includes documents relating to the Litigation. Applicant requests that such documents be considered and cited in the examination of the above-identified patent application.

This Information Disclosure Statement is submitted before an Office Action on the merits, and therefore, pursuant to 37 C.F.R. § 1.97(b), no fee is believed due. However, if a fee is due, the Commissioner is authorized to charge such fee to Deposit Account No. 50-2148 of Baker Botts L.L.P.

Respectfully submitted,

BAKER BOTTS L.L.P.  
Attorneys for Applicant



Luke K. Pedersen  
Reg. No. 45,003

Date: 12/15/04

CORRESPONDENCE ADDRESS

Customer Number: **31625**  
Attorney Docket No.: 074263.0212

|   |                 |                |                  |
|---|-----------------|----------------|------------------|
| PTO-1449<br>DEC 15 2004<br>Information Disclosure Citation<br>in an Application | Application No. | Applicant(s)   |                  |
|   | 10/766,243      | Shilin Chen    |                  |
|   | Docket Number   | Group Art Unit | Filing Date      |
|   | 074263.0212     | 2128           | January 26, 2004 |

## U.S. PATENT DOCUMENTS

|    | DOCUMENT NO. | DATE     | NAME | CLASS | SUBCLASS | FILING DATE |
|----|--------------|----------|------|-------|----------|-------------|
|    |              |          |      | 703   | 10       | 02/26/2004  |
| A. | 2004/0167762 | 08/26/04 | Chen |       |          |             |
| B. |              |          |      |       |          |             |
| C. |              |          |      |       |          |             |
| D. |              |          |      |       |          |             |
| E. |              |          |      |       |          |             |
| F. |              |          |      |       |          |             |
| G. |              |          |      |       |          |             |

## FOREIGN PATENT DOCUMENTS

|    | DOCUMENT NO. | DATE    | COUNTRY | CLASS  | SUBCLASS | TRANSLATION |    |
|----|--------------|---------|---------|--------|----------|-------------|----|
|    |              |         |         |        |          | YES         | NO |
|    |              |         |         | E 21 B | 10/50    | X           |    |
| H. | CN 2082755U  | 8/14/91 | China   |        |          |             |    |
| I. |              |         |         |        |          |             |    |
| J. |              |         |         |        |          |             |    |

## NON-PATENT DOCUMENTS

|    | DOCUMENT (Including Author, Title, Source, and Pertinent Pages)   | DATE       |
|----|---|------------|
| K. | Communication of a Notice of Opposition filed October 4, 2004 with the European Patent Office   | 10/04/2004 |
| L. | Communication of a Notice of Opposition filed October 21, 2004, with the European Patent Office                                       | 10/21/2004 |
| M. | Brief Communication from European Patent Office enclosing letter from the opponent of October 13, 2004                                | 10/22/2004 |
| N. | Composite Catalog of Oil Filed Equipment & Services, 27th Revision 1666-67 Volume 3   | 1966       |
| O. | Lecture Handouts, <i>Rock Bit Design, Dull grading, Selection and Application</i> , presented by Reed Rock bit Company                | 10/16/1980 |
| P. | Longer Useful Lives for Roller Bits Cuts Sharply into Drilling Costs, South African Mining & Engineering Journal, Vol. 90, pgs. 39-43 | 3/1979     |
| Q. |   |            |
| R. |   |            |

## LITIGATION DOCUMENTS

|    |  |            |
|----|--|------------|
| S. | Memorandum Opinion of Judge Davis, signed February 13, 2004, in the United States District Court for the Eastern District of Texas, Sherman Division, Civil Action No. 4-02CV269, Halliburton Energy Services, Inc. v. Smith International, Inc., 37 pages (including fax coversheet). | 02/19/2004 |
| T. | Final Judgment of Judge Davis, signed August 13, 2004, in the United States District Court for the Eastern District of Texas, Sherman Division, Civil Action No. 4-02CV269, Halliburton Energy Services, Inc. v. Smith International, Inc., 3 pages                                    | 08/13/2004 |
| U. | Sworn written statement of Stephen Steinke and Exhibits SS-1 to SS-6   | 10/13/2004 |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. PATENT AND TRADEMARK OFFICE